

ZENAIR CH 2000 - Standard Aircraft Equipment List

FAA Type-Certified Aircraft VRF/NIGHT/IFR

AIRFRAME:

Aluminum alloy
Carbon fiber cabin area
All moving tail (25 knots c/w)
Heavy duty steerable nosewheel
Heavy duty fixed tricycle gear
500x5 wheels & disk brakes - dual for pilot and co-pilot
Tie down rings (3)
IFR certified airframe

CABIN FEATURES:

Side by side seating
Huge 46-inch wide cabin
Cabin heat & window defrost
Dual entry doors (carbon fiber)
Independently adjustable seats
Adjustable fresh air vents-sides
Large rear cabin baggage
Adjustable seat belts
"g" load padded seats
Tough upholstery
Extended glare shield
Overhead night lights

CONTROL SYSTEM:

Stall warning system
All purpose dual control wheels
Dual rudder (pedal) controls
Wing flaps (electric)
Manual stabilator trim control
Dual hydraulic toe brakes
Vernier mixture control
Heavy duty throttle control
Carburetor heat control

FUEL SYSTEM:

Easy access gascolator
Fuel drain valve's
Welded aluminum fuel tank - 28 US gallon tank in rear fuselage. See options for other fuel tanks.
Lycoming engine driven fuel pump

ENGINE & ACCESSORIES:

Lycoming O-235-N2C engine
116 -bhp @ 2800 rpm
2 400 hour engine TBO
Sensenich fixed-pitch
metal propeller
Propeller spinner
Dynafoal engine mount system
Fast start sky-tech electric starter
Spin-on oil filter
Easy to inspect/huge Maintenance inspection panels
Easily removable engine cowls

INSTRUMENTATION:




Airspeed indicator (mph/knots)
Altimeter (sensitive)
Fluid magnetic compass
Static and pitot - heated
Oil temperature gauge
Oil pressure gauge
Fuel pressure gauge
Clock (electric)
Outside air temperature indicator
Fuel indicator's
Recording tachometer (rpm)
Hobbs hour meter
Ammeter & voltmeter
Alternate static source
Alternate pitot system

ELECTRICAL SYSTEM:

12 volt electrical system
12 volt gill battery (heavy duty)
Battery power plug at rear of aircraft
Master switch & circuit breakers
Dual ignition
ELT
Removable breaker panels
Removable avionics panel

AVIONICS:

Garmin GNS 650 (COM, GPS, VOR, GS)
Garmin GI-106A VOR with GS slope
Garmin 340 audio panel
Garmin GTX 330 transponder/encoder
full gyro package

Electric fuel pump (auxiliary)	Bendix/king KX 155 NAV COM Bendix/king KI 209 VOR with GS Independent power source Avionics master switch
 NIGHT LIGHTING SYSTEM: Landing/taxi lights on wing Interior/panel lights red/white Wing tip navigation & strobe lights Tail light	 Upholstery: Tough / easy to clean fabrics. Color: Gray
 Paint: Polyurethane white paint. Tough and easy to repair	

Options:

Wheel Fairings (3)

Custom color paint

Spin certified airframe

Fuel tank - extra large fuselage tank.
34 US Gallon tank.

Wing Tanks (replaces fuselage tank)
28 US Gallons total.

Fuel Primer (Option - Installed)
Cold weather starting

600x6 main wheels (Option - Installed)
Replaces the smaller 500x5 main wheels.

SRS Airbag Seatbelts (Option - Installed)
Pilot and co-pilot seats.

Sandel 3500 EHSI indicator

Aspen Avionics EFD1000 *Pro* PFD

Performance

PERFORMANCE:	
Cruise @ 75% Power:	99 KIAS
Never Exceed Speed (Vne):	143 KIAS
Stall Speed:	48 KIAS
Maneuvering Speed:	108 KIAS
Take-Off Distance (Over 50'):	1,640 feet
Rate of Climb:	750 fpm
Landing Distance (Over 50'):	1,820 feet
Range @ 75% Power (No Reserve):	486 nm

Specifications

SPECIFICATIONS:

Length:	23' 0"
Height:	6' 10"
Cabin Width:	46"
Wing Span:	28' 10"
Wing Area:	137 ft²
Wing Loading:	12.3lbs/ft²
Empty Weight	(VFR): 1,085 lbs
Gross Weight	(MTOW): 1,692 lbs
Useful Load*:	607 lbs
Powerplant:	Lycoming O-235-N2C
Power:	116 bhp
Engine TBO:	2,400 hours
Propeller:	Sensenich 72" (Fixed Pitch)
Power Loading:	14.6 lbs/bhp
Fuel Capacity:	28 US gallons
Fuel Capacity:	20 US gallons
Fuel Consumption @	75%: 5.5 gal/hr
UTILITY Category:	1,606 lbs Gross Weight +4.4/-2.2
NORMAL Category:	1,692 lbs Gross Weight +3.8/-1.9